

VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

		Date <u>9/14/11</u>
Contract ID <u>110218-503</u>		Job No. <u>J5P2158</u>
County <u>Moniteau/Morgan</u>	Route <u>5</u>	Original Bid Cost <u>2,934,530.26</u>
Contractor <u>APAC-Missouri, Inc.</u>		By <u>Casey Castrop</u>
Designed By <u>MoDOT</u>		Phone <u>573-449-0886</u>
VECP # <u>11-72</u>		VECP <input type="checkbox"/> or <u>VECP/PDU</u>

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages

Plans call for 377.8 SYDS Modified Coldmilling Depth Transitions at LM 0.112 for transition of the 2" base widening lift of asphalt. This is an unnecessary design operation that could potentially weaken the integrity of the original roadway. APAC proposes to install a 100' paved depth transition 2" to 0" while notching out the adjacent aggregate 4' shoulder 0" to 2" to achieve the designed asphalt shoulder depth. Thus eliminating any need for the Modified Coldmilling Depth Transition and this will also reduce asphalt quantities from planned 40.8 tons to 20.40 tons, saving MoDOT \$2,572.37. This will expedite the project and lessen the impact on the traveling public. Please see the attached cost savings sheet.

2. Estimate of reduction in construction costs. \$2,572.37
3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

None anticipated

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.

(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

September 19, 2011

(date)

(effect)

6. Dates of any previous or concurrent submission of the same proposal.

(date and/or dates)

Additional Comments:

**** Portion Below This Line To Be Filled Out by MoDOT ****

Comments:

The modified coldmilling depth transition for a subbase lift is not necessary. The wedging performed at this location is an equivalent product, therefore, I approve the Practical Design Value Engineering proposal.

Submitted By Resident Engineer

Date

Comments:

Agree with above comments, and note 75/25 split per practical design VE.



**Approval
Recommended**



**Rejection
Recommended**

David Silvester

Digitally signed by David Silvester
DN: cn=David Silvester,
o=MoDOT, ou,
email=david.silvester@modot.mo
.gov, c=US
Date: 2011.11.29 12:58:20 -06'00'

District Engineer

11/29/11

Date

Comments:

The cost share for this PDVECP is 25%.



Approval



Rejection

David D. Brucks

Digitally signed by Dennis Brucks
DN: cn=Dennis Brucks, o=Field Office,
ou=6N25,
email=Dennis.Brucks@modot.mo.gov, c=US
Date: 2011.12.02 10:47:06 -06'00'

State Construction and Materials Engineer

Date

Rt. 5 Monticau/Morgan Counties
J5P2158
ID# 110218-503

VE #2 - @ LM 0.112 - Depth Transition 2" to 0" Base Widening Lift AND LM 0.112 to LM 0.131 - 100.32'x34'x2"

J5P2158

Item	310	Depth Transitions - 377.8 SQYD @ \$4.40/SQYD	Savings	\$1,662.32
Item	60	2" BB Base - 40.8 Tons @ \$44.61	Savings	\$1,820.09
Item	60	1" Avg BB Base - 20.40 Tons @ \$44.61	Cost	<u>-\$910.04</u>
Total Savings				\$2,572.37
75% Total Savings MoDOT				\$1,929.28
25% Total Savings APAC				\$643.09

